

Title (en)
HIGH PRESSURE FUEL GAS PUMP

Title (de)
HOCHDRUCKBRENNGASPUMPE

Title (fr)
POMPE À GAZ COMBUSTIBLE HAUTE PRESSION

Publication
EP 3504432 A1 20190703 (EN)

Application
EP 17765321 A 20170829

Priority
• US 201662380855 P 20160829
• US 2017049058 W 20170829

Abstract (en)
[origin: US2018058441A1] There is disclosed a modular, linearly actuated high-pressure pump for use in various applications with high-pressure fuel systems, in particular liquid cryogenic fuels such as Natural Gas, Hydrogen, Nitrogen and Argon (LNG/LH2/LN2/LAR). The pump utilizes linear actuation which smooths out the power profile. There are no dynamic seals which prevents failure from leakage. The primary benefit of a smooth, no pulse output and lack of dynamic seals is a longer life of the pump. Marine fuel systems that utilize cryogenic LNG are a primary application.

IPC 8 full level
F04B 15/08 (2006.01); **B63H 21/38** (2006.01); **F02M 21/02** (2006.01); **F04B 9/02** (2006.01); **F04B 11/00** (2006.01); **F04B 23/02** (2006.01)

CPC (source: EP KR RU US)
B63H 21/38 (2013.01 - EP US); **F02M 21/02** (2013.01 - EP RU US); **F02M 21/0218** (2013.01 - EP US); **F02M 21/0245** (2013.01 - EP KR US); **F04B 9/02** (2013.01 - EP KR US); **F04B 11/005** (2013.01 - EP KR RU US); **F04B 15/08** (2013.01 - EP KR RU US); **F04B 17/042** (2013.01 - KR US); **F04B 23/026** (2013.01 - EP KR US); **F04B 49/065** (2013.01 - KR US); **F04B 2015/081** (2013.01 - EP KR US); **F05B 2210/12** (2013.01 - KR); **Y02T 10/30** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2018044857A1

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